# High Brightness Type φ5.0 Circular Type LED Lamps〈Wide Focus Type 2θ 1/2:40°〉

## SLI-560 Series

| Shape | Emitting Surface Dimension (mm) | Yellow | Orange | Red |
|---|---|---|---|---|
| | | | AlGaInP on GaAs | |
| | | 591nm | 611nm | 630nm |
| Circular Type | φ5.0 | | | |
| | | SLI-560YT | SLI-560DT | SLI-560UT |

## ■ Absolute Maximum Ratings (Ta=25℃)

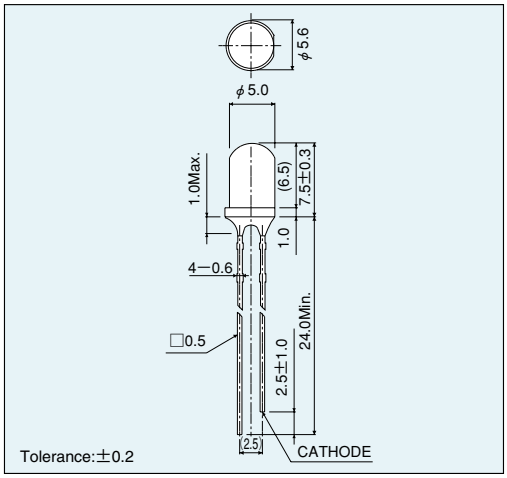
| Part No. | Emitting color | Power dissipation $P_D$ (mW) | Forward current $I_F$ (mA) | Peak forward current $I_{FP}$ (mA) | Reverse voltage $V_R$ (V) | Operating temperature $T_{opr}$ (°C) | Stotage temperature $T_{stg}$ (°C) |
|---|---|---|---|---|---|---|---|
| SLI-560YT | Yellow | | | | | | |
| SLI-560DT | Orange | 125 | 50 | 200 | 9 | -30 to +85 | -40 to +100 |
| SLI-560UT | Red | | | | | | |

＊$I_{FP}$ measured under duty ≦1/ 10,pulse width ≦1kHz.

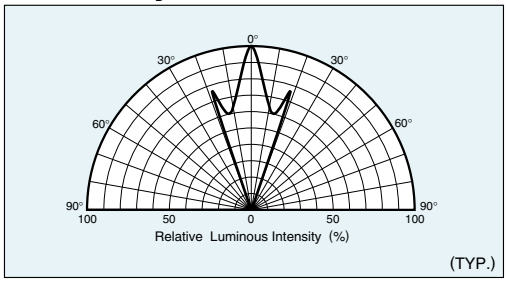
## ■ Electrical Optical Characteristics (Ta=25℃)

| Part No. | Resin Color | Forward voltage $V_F$ | | Reverse current $I_R$ | | Light wavelength Peak λp | Light wavelength Half-wave Δλ | | Brightness $I_V$ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Typ. (V) | $I_F$ (mA) | Max. (μA) | $V_R$ (V) | Typ. (nm) | Typ. (nm) | $I_F$ (mA) | Min. (mcd) | Typ. (mcd) | $I_F$ (mA) |
| SLI-560YT | Transparent Clear | 1.9 | 20 | 100 | 9 | 591 | 15 | 20 | 300 | 1000 | 20 |
| SLI-560DT | | | | | | 611 | 17 | | | | |
| SLI-560UT | | | | | | 630 | 20 | | | | |

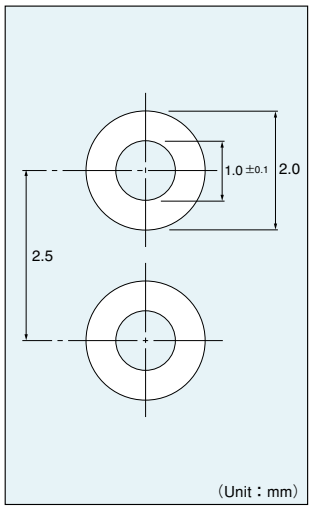
## ■ External Dimensions (Unit : mm)




## ■ Directivity



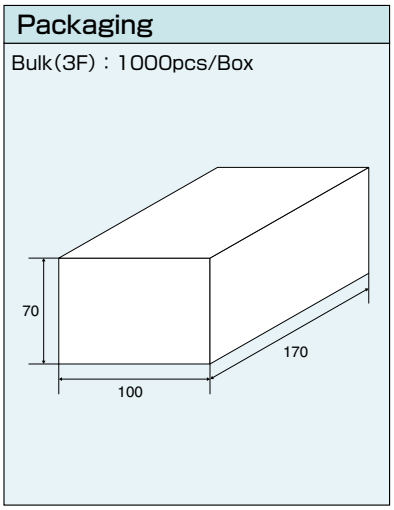

## ■ Recommemded Pad Layout




## ■ Packaging Spacifications (Unit : mm)

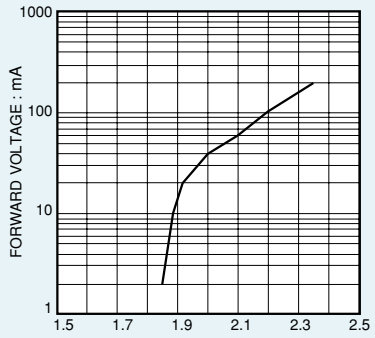
**Packaging**

Bulk(3F) : 1000pcs/Box



## Electrical Characteristic Curves

### Forward Current - Forward Voltage

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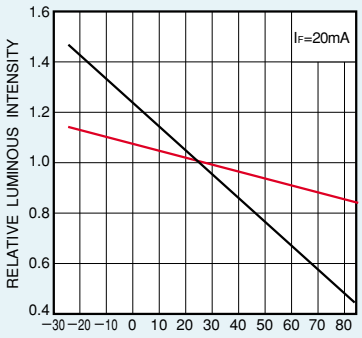
### Relative Luminous Intensity - Case Temperature

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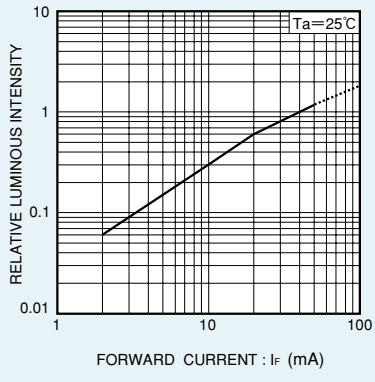
### Relative Luminous Intensity - Forward Current

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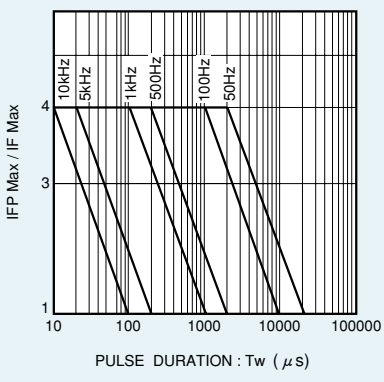
### Ratio of Maximum Tolerable Peak Current - Pulse Duration

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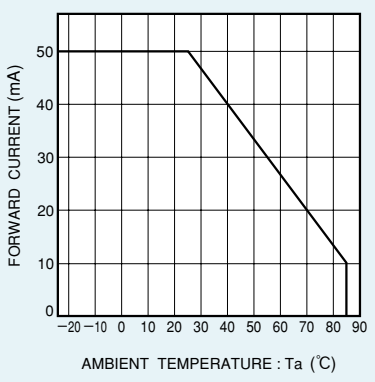
### Derating




SLI-560YT
SLI-560DT
SLI-560UT

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